

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	559	(560/157).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/05/21 16:08
L2	760	(564/17,47,48).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/05/21 16:08

82 10/538,484

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 17:16:07 ON 21 MAY 2007

=> d

ENTER NAME OF ITEM TO BE DISPLAYED OR (?):file reg
'FILE' IS NOT VALID HERE

For an explanation, enter "HELP DISPLAY".

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 17:16:33 ON 21 MAY 2007

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2007 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 20 MAY 2007 HIGHEST RN 935426-16-7

DICTIONARY FILE UPDATES: 20 MAY 2007 HIGHEST RN 935426-16-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

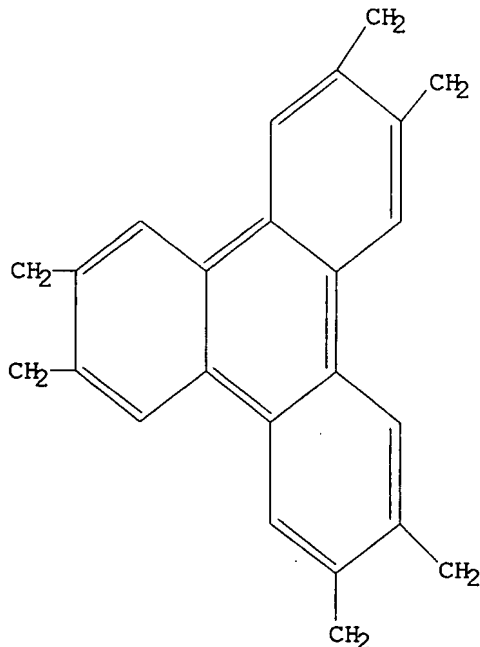
Uploading C:\Program Files\Stnexp\Queries\3280.str

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 11

SAMPLE SEARCH INITIATED 17:16:52 FILE 'REGISTRY'
 SAMPLE SCREEN SEARCH COMPLETED - 1676 TO ITERATE

100.0% PROCESSED 1676 ITERATIONS
 SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
 PROJECTED ITERATIONS: 31065 TO 35975
 PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s 11 ful

FULL SEARCH INITIATED 17:16:57 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 34106 TO ITERATE

100.0% PROCESSED 34106 ITERATIONS
 SEARCH TIME: 00.00.01

11 ANSWERS

L3 11 SEA SSS FUL L1

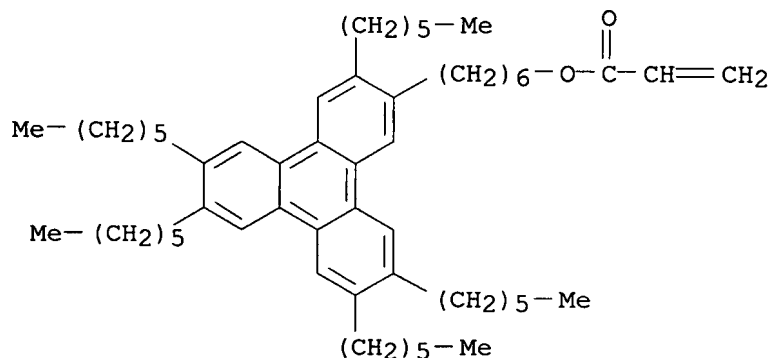
=> d 13 1-11

L3 ANSWER 1 OF 11 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 868248-16-2 REGISTRY
 ED Entered STN: 17 Nov 2005
 CN 2-Propenoic acid, 6-(3,6,7,10,11-pentahexyl-2-triphenylenyl)hexyl ester,
 homopolymer (9CI) (CA INDEX NAME)
 MF (C57 H86 O2)x
 CI PMS
 PCT Polyacrylic

SR CA
LC STN Files: CA, CAPLUS

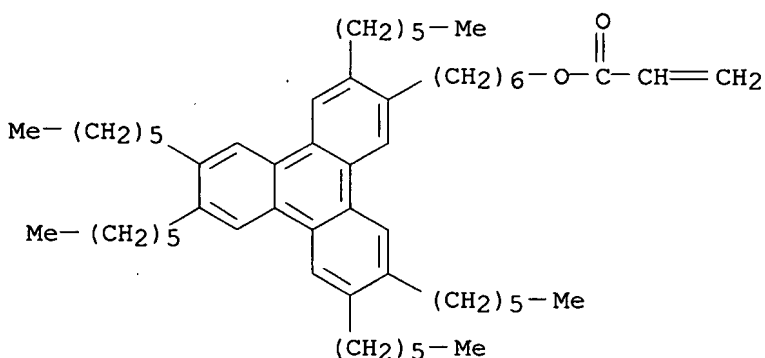
CM 1

CRN 868248-15-1
CMF C57 H86 O2



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

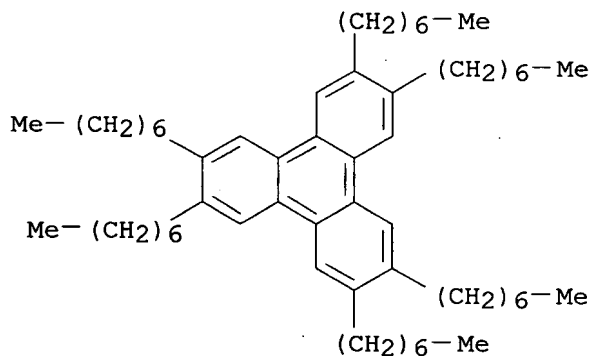
L3 ANSWER 2 OF 11 REGISTRY COPYRIGHT 2007 ACS on STN
RN 868248-15-1 REGISTRY
ED Entered STN: 17 Nov 2005
CN 2-Propenoic acid, 6-(3,6,7,10,11-pentahexyl-2-triphenylenyl)hexyl ester
(9CI) (CA INDEX NAME)
MF C57 H86 O2
CI COM
SR CA



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 3 OF 11 REGISTRY COPYRIGHT 2007 ACS on STN
RN 638199-35-6 REGISTRY
ED Entered STN: 16 Jan 2004
CN Triphenylene, 2,3,6,7,10,11-hexaheptyl- (9CI) (CA INDEX NAME)
MF C60 H96
SR CA

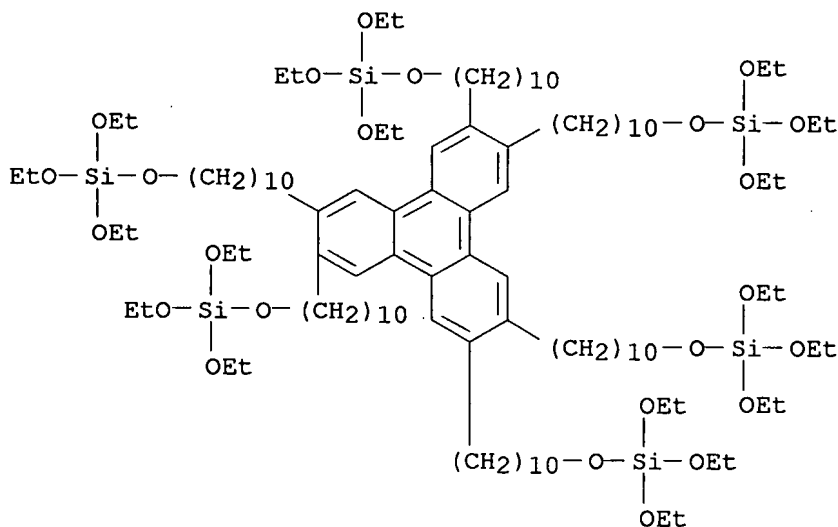
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

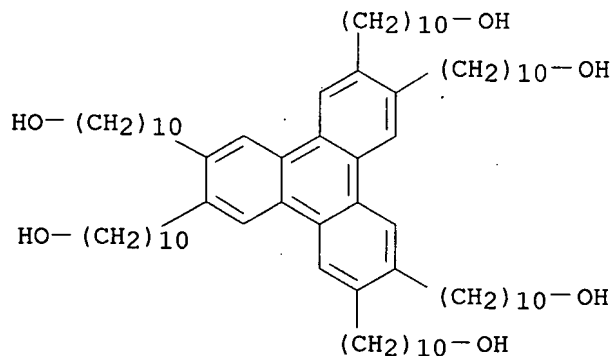
L3 ANSWER 4 OF 11 REGISTRY COPYRIGHT 2007 ACS on STN
RN 594847-71-9 REGISTRY
ED Entered STN: 29 Sep 2003
CN Silicic acid (H_4SiO_4), 2,3,6,7,10,11-triphenylenehexaylhexasilicic acid (9CI) (CA INDEX NAME)
MF C114 H216 O24 Si6
SR CA
LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 5 OF 11 REGISTRY COPYRIGHT 2007 ACS on STN
RN 594847-70-8 REGISTRY
ED Entered STN: 29 Sep 2003
CN 2,3,6,7,10,11-Triphenylenehexakis(decanol) (9CI) (CA INDEX NAME)
MF C78 H132 O6
SR CA

LC STN Files: CA, CAPLUS

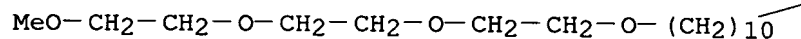
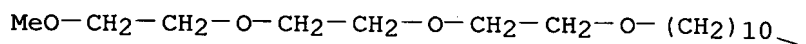


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

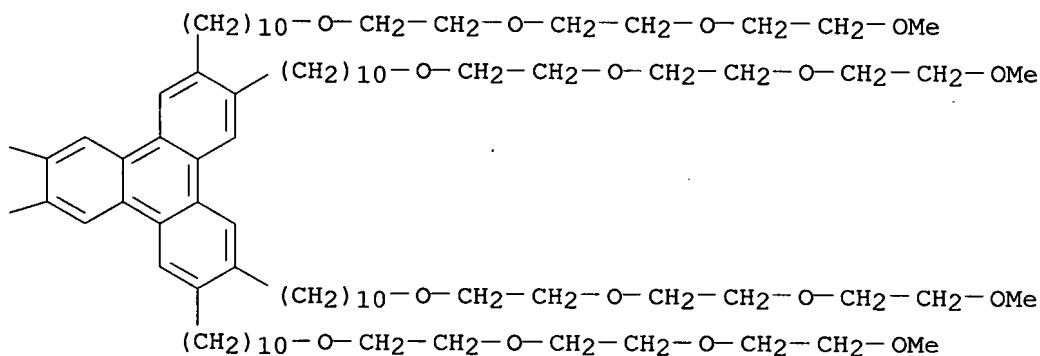
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 6 OF 11 REGISTRY COPYRIGHT 2007 ACS on STN
RN 594847-69-5 REGISTRY
ED Entered STN: 29 Sep 2003
CN 2,5,8,11-Tetraoxaeicosane, 21,21',21'',21'''-2,3,6,7,10,11-
triphenylenehexaylhexakis- (9CI) (CA INDEX NAME)
MF C120 H216 O24
SR CA
LC STN Files: CA, CAPLUS

PAGE 1-A



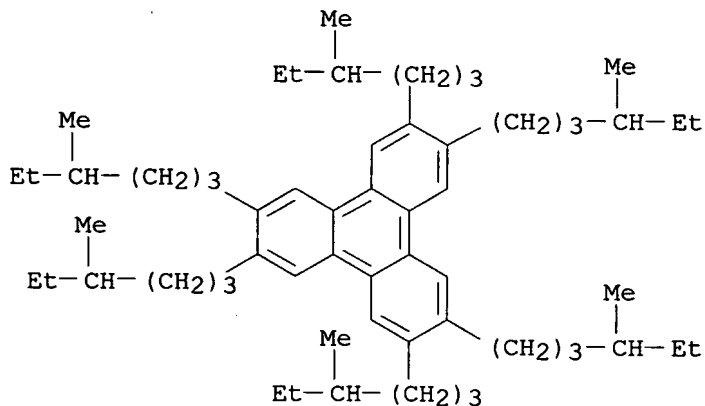
PAGE 1-B



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

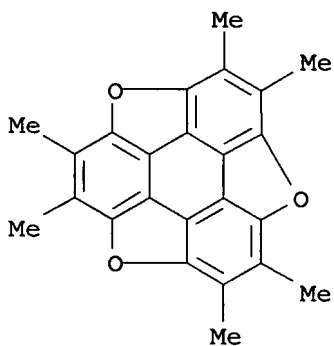
L3 ANSWER 7 OF 11 REGISTRY COPYRIGHT 2007 ACS on STN
RN 264598-08-5 REGISTRY
ED Entered STN: 12 May 2000
CN Triphenylene, 2,3,6,7,10,11-hexakis(4-methylhexyl)- (9CI) (CA INDEX NAME)
MF C60 H96
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

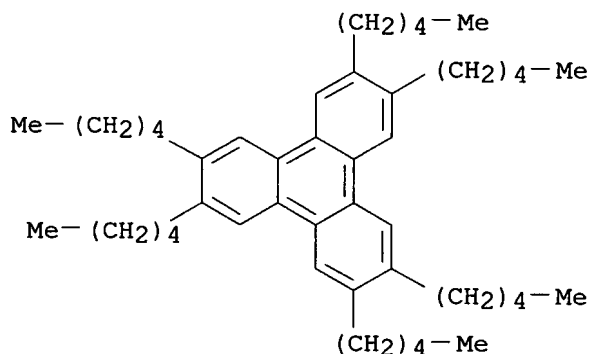
L3 ANSWER 8 OF 11 REGISTRY COPYRIGHT 2007 ACS on STN
RN 260353-04-6 REGISTRY
ED Entered STN: 29 Mar 2000
CN Triphenyleno[1,12-bcd:4,5-b'c'd':8,9-b''c''d'']trifuran, 2,3,5,6,8,9-hexamethyl- (9CI) (CA INDEX NAME)
MF C24 H18 O3
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

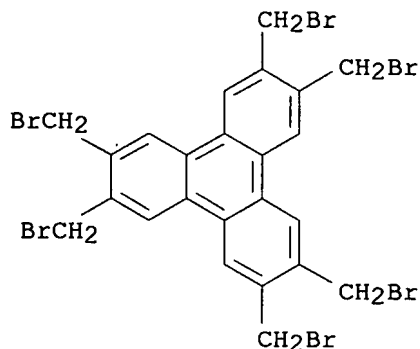
L3 ANSWER 9 OF 11 REGISTRY COPYRIGHT 2007 ACS on STN
RN 200884-34-0 REGISTRY
ED Entered STN: 05 Feb 1998
CN Triphenylene, 2,3,6,7,10,11-hexapentyl- (9CI) (CA INDEX NAME)
MF C48 H72
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

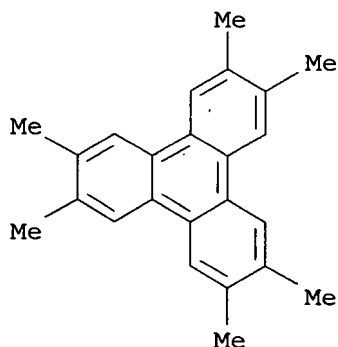
L3 ANSWER 10 OF 11 REGISTRY COPYRIGHT 2007 ACS on STN
RN 174782-69-5 REGISTRY
ED Entered STN: 04 Apr 1996
CN Triphenylene, 2,3,6,7,10,11-hexakis(bromomethyl)- (9CI) (CA INDEX NAME)
MF C24 H18 Br6
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 11 OF 11 REGISTRY COPYRIGHT 2007 ACS on STN
RN 26146-81-6 REGISTRY
ED Entered STN: 16 Nov 1984
CN Triphenylene, 2,3,6,7,10,11-hexamethyl- (CA INDEX NAME)
MF C24 H24
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, TOXCENTER
(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

6 REFERENCES IN FILE CA (1907 TO DATE)
6 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
194.00	194.21

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 17:17:51 ON 21 MAY 2007

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 21 May 2007 VOL 146 ISS 22

FILE LAST UPDATED: 20 May 2007 (20070520/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s 13

L4 13 L3

=> d 14 1-13

L4 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2006:1296220 CAPLUS
DN 146:229025
TI Highly efficient route to fused polycyclic aromatics via
palladium-catalyzed aryne annulation by aryl halides
AU Liu, Zhijian; Larock, Richard C.
CS Department of Chemistry, Iowa State University, Ames, IA, 50011, USA
SO Journal of Organic Chemistry (2007), 72(1), 223-232
CODEN: JOCEAH; ISSN: 0022-3263
PB American Chemical Society
DT Journal
LA English
OS CASREACT 146:229025
RE.CNT 51 THERE ARE 51 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2005:1153545 CAPLUS
DN 143:429801
TI Organic electroluminescent device, electronic apparatus, and their
production method
IN Obikawa, Takeshi
PA Seiko Epson Corp., Japan
SO Jpn. Kokai Tokkyo Koho, 21 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2005302641	A	20051027	JP 2004-120325	20040415
PRAI	JP 2004-120325		20040415		

L4 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2005:1146686 CAPLUS
DN 144:36185
TI Synthesis of Fused Polycyclic Aromatics by Palladium-Catalyzed Annulation
of Arynes Using 2-Halobiaryls
AU Liu, Zhijian; Zhang, Xiaoxia; Larock, Richard C.
CS Department of Chemistry, Iowa State University, Ames, IA, 50011, USA
SO Journal of the American Chemical Society (2005), 127(45), 15716-15717
CODEN: JACSAT; ISSN: 0002-7863
PB American Chemical Society
DT Journal
LA English
OS CASREACT 144:36185
RE.CNT 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2004:713565 CAPLUS
DN 141:190482
TI Analysis of quasielastic neutron scattering (QENS) data of discotic
systems using different molecular dynamics (MD) models
AU Kruglova, O.; Mulder, F. M.; Picken, S. J.; Stride, J.; Kearley, G. J.
CS Interfaculty Reactor Institute, Delft University of Technology, Delft,
2629 JB, Neth.
SO Physica B: Condensed Matter (Amsterdam, Netherlands) (2004), 350(1-3,
Suppl. 1), e1003-e1005

CODEN: PHYBE3; ISSN: 0921-4526

URL: <http://www.sciencedirect.com/science/journal/09214526>

PB Elsevier

DT Journal

LA English

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2003:732228 CAPLUS

DN 140:68088

TI Mixed alkyl-alkoxy triphenylenes

AU Cammidge, Andrew N.; Gopee, Hemant

CS Wolfson Materials and Catalysis Centre, School of Chemical Sciences and
Pharmacy, University of East Anglia, Norwich, NR4 7TJ, UK

SO Molecular Crystals and Liquid Crystals (2003), 397, 417-428

CODEN: MCLCD8; ISSN: 1542-1406

PB Taylor & Francis, Inc.

DT Journal

LA English

RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 6 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2003:706942 CAPLUS

DN 139:232541

TI Silica-containing organic-inorganic composite structure, porous silica,
and their manufacture by using liquid crystal

IN Okabe, Akihiro; Fukushima, Takanori; Ariga, Katsuhiko; Aida, Takuzo

PA Japan Science and Technology Corporation, Japan

SO Jpn. Kokai Tokkyo Koho, 8 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2003252818	A	20030910	JP 2002-55188	20020301
PRAI	JP 2002-55188		20020301		
OS	MARPAT 139:232541				

L4 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2000:254630 CAPLUS

DN 132:300894

TI Discotic liquid crystal device and method for alignment thereof

IN Kamibe, Junichiro; Moriyama, Takashi; Nakamura, Shinichi; Togano, Takeshi;
Takiguchi, Takao

PA Canon Inc., Japan

SO Jpn. Kokai Tokkyo Koho, 11 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2000111860	A	20000421	JP 1998-296235	19981005
	JP 3524404	B2	20040510		
	US 6159562	A	20001212	US 1999-412434	19991005
PRAI	JP 1998-296235	A	19981005		

L4 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2000:166268 CAPLUS

DN 132:214635
TI Organic electroluminescent material and the organic electroluminescent device using it
IN Tamano, Michiko
PA Toyo Ink Mfg. Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 15 pp.
CODEN: JKXXAF
DT Patent
LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	JP 2000077186	A	20000314	JP 1998-246138	19980831
	JP 3899698	B2	20070328		
PRAI	JP 1998-246138		19980831		
OS	MARPAT 132:214635				

L4 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1999:231889 CAPLUS
DN 130:289066
TI Organic electroluminescent device containing charge-transporting layer with improved charge mobility
IN Nagae, Isamu; Fujimoto, Takamitsu; Hizuka, Yuji
PA Mitsubishi Electric Corp., Japan
SO Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF

DT Patent
LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	JP 11097176	A	19990409	JP 1997-253484	19970918
PRAI	JP 1997-253484		19970918		

L4 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1998:10729 CAPLUS
DN 128:91052
TI Secondary nonaqueous electrolyte batteries
IN Negi, Masayuki; Okazaki, Masaki
PA Fuji Photo Film Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 27 pp.
CODEN: JKXXAF

DT Patent
LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	JP 09330739	A	19971222	JP 1997-49629	19970219
PRAI	JP 1996-86605	A	19960409		
OS	MARPAT 128:91052				

L4 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1996:69878 CAPLUS
DN 124:232418
TI Reversible encapsulation of disk-shaped guests by a synthetic, self-assembled host
AU Grotzfeld, Robert M.; Branda, Neil; Rebek, Julius, Jr.
CS Dep. Chem., Massachusetts Inst. Technol., Cambridge, MA, 02139, USA
SO Science (Washington, D. C.) (1996), 271(5248), 487-9
CODEN: SCIEAS; ISSN: 0036-8075
PB American Association for the Advancement of Science
DT Journal

LA English

L4 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1979:213471 CAPLUS
DN 90:213471
TI Hexasubstituted triphenylenes: a new mesomorphic order
AU Destrade, C.; Mondon, M. C.; Malthete, J.
CS Cent. Rech. Paul-Pascal, Talence, Fr.
SO Journal de Physique, Colloque (1979), (3), 17-21
CODEN: JPQCAK; ISSN: 0449-1947
DT Journal
LA English

L4 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1970:48659 CAPLUS
DN 72:48659
TI Preliminary crystallographic data for methyl-substituted triphenylenes
AU Yerkess, J.; Jones, Derry Wynn; Denne, W. A.
CS Sch. Chem., Univ. Bradford, Bradford, UK
SO Acta Crystallographica, Section B: Structural Crystallography and Crystal
Chemistry (1969), 25(Pt. 12), 2649-50
CODEN: ACBCAR; ISSN: 0567-7408
DT Journal
LA English

FILE 'REGISTRY' ENTERED AT 17:22:51 ON 21 MAY 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2007 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 20 MAY 2007 HIGHEST RN 935426-16-7
DICTIONARY FILE UPDATES: 20 MAY 2007 HIGHEST RN 935426-16-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\32800.str

L5 STRUCTURE UPLOADED

=> d

L5 HAS NO ANSWERS

L5 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s 15

SAMPLE SEARCH INITIATED 17:23:16 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 28 TO ITERATE

100.0% PROCESSED 28 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 243 TO 877

PROJECTED ANSWERS: 0 TO 0

L6 0 SEA SSS SAM L5

=> s 15 ful

FULL SEARCH INITIATED 17:23:21 FILE 'REGISTRY'

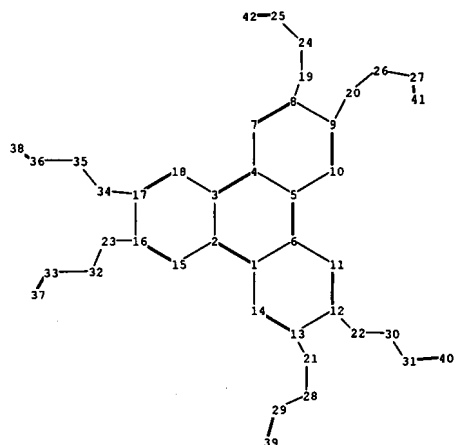
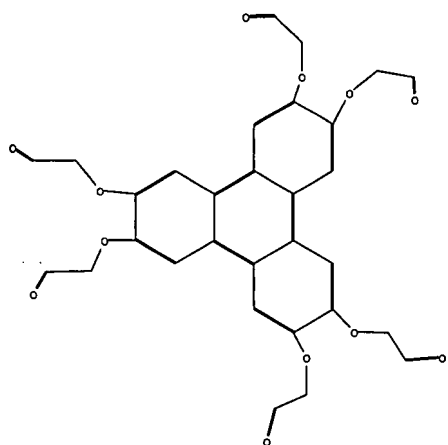
FULL SCREEN SEARCH COMPLETED - 502 TO ITERATE

100.0% PROCESSED 502 ITERATIONS

19 ANSWERS

SEARCH TIME: 00.00.01

L7 19 SEA SSS FUL L5



chain nodes :

19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40
41 42

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

chain bonds :

8-19 9-20 12-22 13-21 16-23 17-34 19-24 20-26 21-28 22-30 23-32 24-25 25-42
26-27 27-41 28-29 29-39 30-31 31-40 32-33 33-37 34-35 35-36 36-38

ring bonds :

1-2 1-6 1-14 2-3 2-15 3-4 3-18 4-5 4-7 5-6 5-10 6-11 7-8 8-9 9-10 11-12
12-13 13-14 15-16 16-17 17-18

exact/norm bonds :

8-19 9-20 12-22 13-21 16-23 17-34 19-24 20-26 21-28 22-30 23-32 25-42 27-41
29-39 31-40 33-37 34-35 36-38

exact bonds :

24-25 26-27 28-29 30-31 32-33 35-36

normalized bonds :

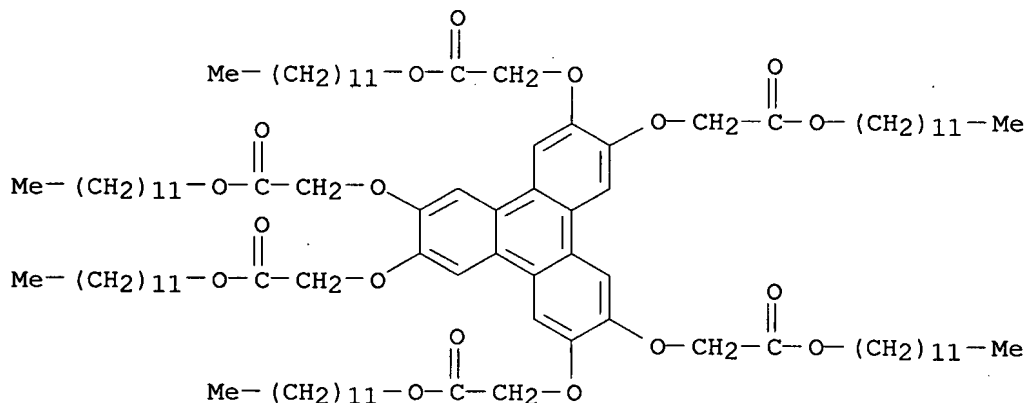
1-2 1-6 1-14 2-3 2-15 3-4 3-18 4-5 4-7 5-6 5-10 6-11 7-8 8-9 9-10 11-12
12-13 13-14 15-16 16-17 17-18

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:CLASS 20:CLASS
21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS
30:CLASS 31:CLASS 32:CLASS 33:CLASS 34:CLASS 35:CLASS 36:CLASS 37:CLASS 38:CLASS
39:CLASS 40:CLASS 41:CLASS 42:CLASS

=> d 17 1-19

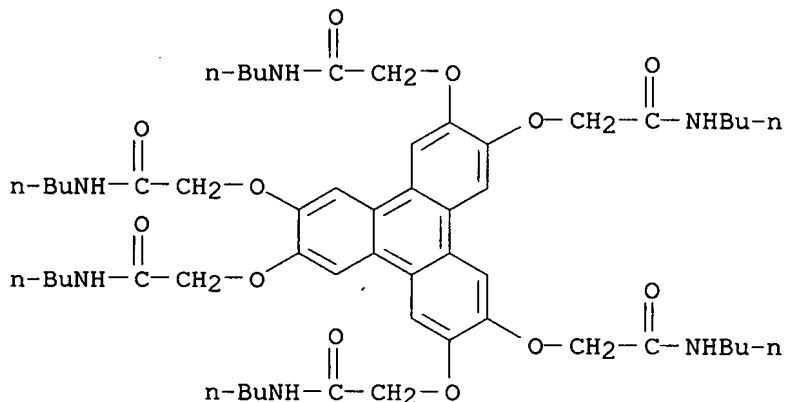
L7 ANSWER 1 OF 19 REGISTRY COPYRIGHT 2007 ACS on STN
RN 721396-35-6 REGISTRY
ED Entered STN: 03 Aug 2004
CN Acetic acid, 2,2',2'',2''',2''',2''''-[2,3,6,7,10,11-
triphenylenehexaylhexas(oxy)]hexakis-, hexadodecyl ester (9CI) (CA
INDEX NAME)
MF C102 H168 O18
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 2 OF 19 REGISTRY COPYRIGHT 2007 ACS on STN
RN 614733-38-9 REGISTRY
ED Entered STN: 10 Nov 2003
CN Acetamide, 2,2',2'',2''',2''',2''''-[2,3,6,7,10,11-
triphenylenehexaylhexas(oxy)]hexakis[N-butyl- (9CI) (CA INDEX NAME)
MF C54 H78 N6 O12
SR CA
LC STN Files: CA, CAPLUS

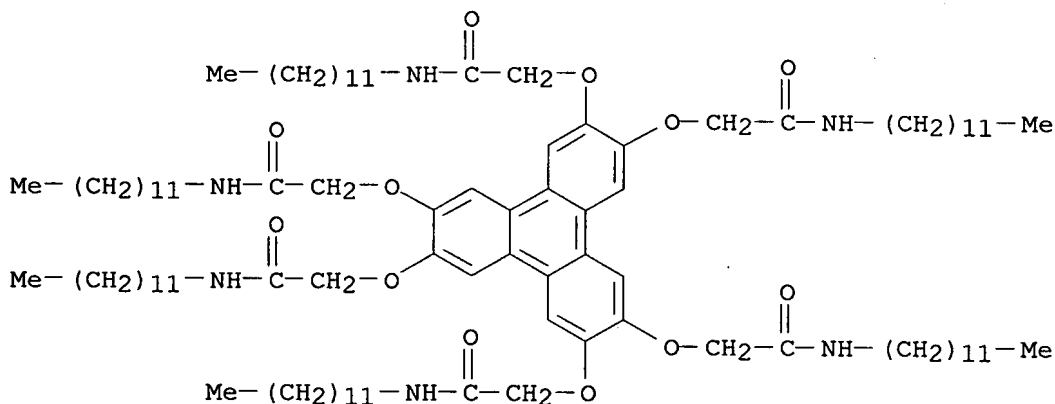


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 3 OF 19 REGISTRY COPYRIGHT 2007 ACS on STN
RN 614733-37-8 REGISTRY
ED Entered STN: 10 Nov 2003
CN Acetamide, 2,2',2'',2''',2''''',2''''''-[2,3,6,7,10,11-
triphenylenehexaylhexakis(oxy)]hexakis[N-dodecyl- (9CI) (CA INDEX NAME)
MF C102 H174 N6 O12
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)

2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 4 OF 19 REGISTRY COPYRIGHT 2007 ACS on STN
RN 200814-89-7 REGISTRY
ED Entered STN: 05 Feb 1998
CN L-Phenylalanine, N,N',N'',N''',N''''',N''''''-[2,3,6,7,10,11-
triphenylenehexaylhexakis[oxy(1-oxo-2,1-ethanediyl)]]hexakis-,
hexakis(1,1-dimethylethyl) ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C108 H126 N6 O24
SR CA
LC STN Files: CA, CAPLUS, CASREACT

Absolute stereochemistry.



```
L7 ANSWER 5 OF 19 REGISTRY COPYRIGHT 2007 ACS on STN
RN 200814-88-6 REGISTRY
ED Entered STN: 05 Feb 1998
CN L-Phenylalanine, N,N',N'',N''',N''''',N''''''-[2,3,6,7,10,11-
triphenylenehexaylhexas[oxo(1-oxo-2,1-ethanediy)]]]hexakis- (9CI) (CA
INDEX NAME)
FS STEREOSEARCH
MF C84 H78 N6 O24
SR CA
LC STN Files: CA, CAPLUS, CASREACT
```

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 6 OF 19 REGISTRY COPYRIGHT 2007 ACS on STN

RN 200814-87-5 REGISTRY

ED Entered STN: 05 Feb 1998

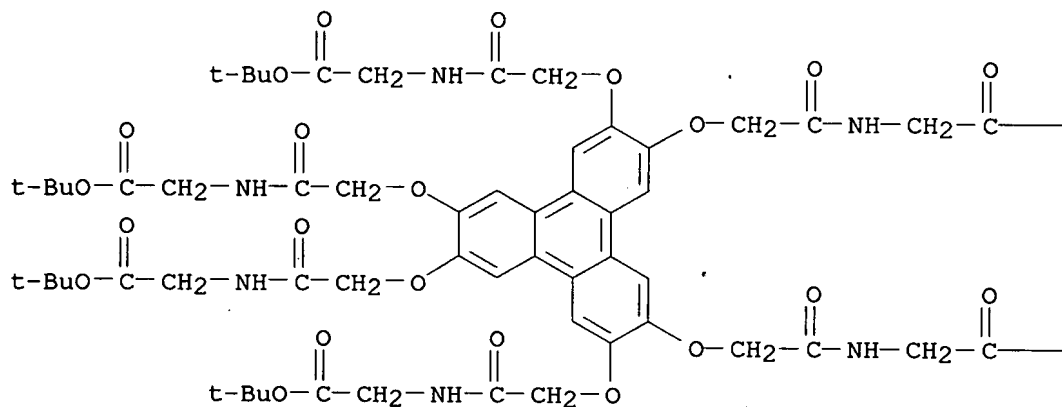
CN Glycine, N,N',N'',N''',N''''',N''''''-[2,3,6,7,10,11-triphenylenehexaylhexakis[oxy(1-oxo-2,1-ethanediyl)]]hexakis-, hexakis(1,1-dimethylethyl) ester (9CI) (CA INDEX NAME)

MF C66 H90 N6 O24

SR CA

LC STN Files: CA, CAPLUS, CASREACT

PAGE 1-A



PAGE 1-B

—OBu-t

—OBu-t

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

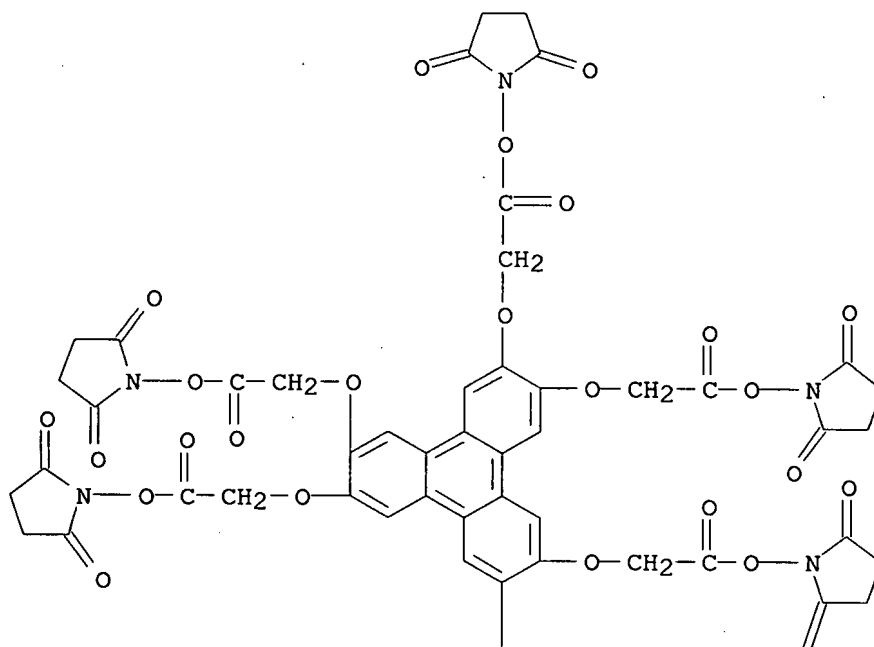
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 7 OF 19 REGISTRY COPYRIGHT 2007 ACS on STN

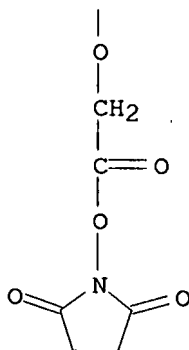
RN 200814-86-4 REGISTRY

ED Entered STN: 05 Feb 1998
 CN 2,5-Pyrrolidinedione, 1,1',1'',1''',1'''',1'''''-[2,3,6,7,10,11-triphenylenehexaylhexakis[oxy(1-oxo-2,1-ethanediyl)oxy]]hexakis- (9CI)
 (CA INDEX NAME)
 MF C54 H42 N6 O30
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT

PAGE 1-A



PAGE 2-A

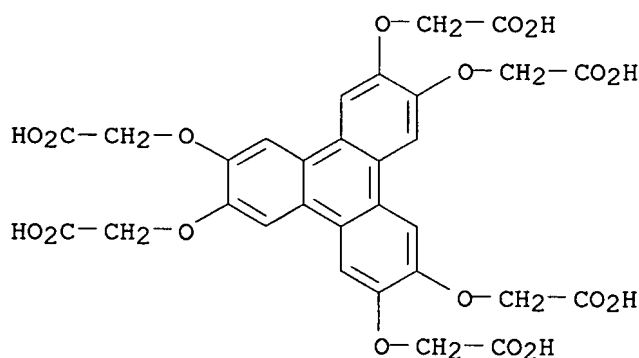


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 8 OF 19 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 200814-85-3 REGISTRY
 ED Entered STN: 05 Feb 1998

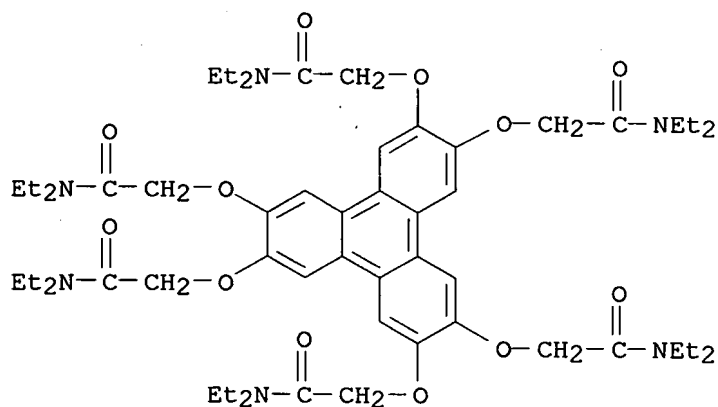
CN Acetic acid, 2,2',2'',2''',2''''',2''''''-[2,3,6,7,10,11-
triphenylenehexaylhexakis(oxy)]hexakis- (9CI) (CA INDEX NAME)
MF C30 H24 O18
SR CA
LC STN Files: CA, CAPLUS, CASREACT



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 9 OF 19 REGISTRY COPYRIGHT 2007 ACS on STN
RN 200814-82-0 REGISTRY
ED Entered STN: 05 Feb 1998
CN Acetamide, 2,2',2'',2''',2''''',2''''''-[2,3,6,7,10,11-
triphenylenehexaylhexakis(oxy)]hexakis[N,N-diethyl- (9CI) (CA INDEX NAME)
MF C54 H78 N6 O12
SR CA
LC STN Files: CA, CAPLUS, CASREACT

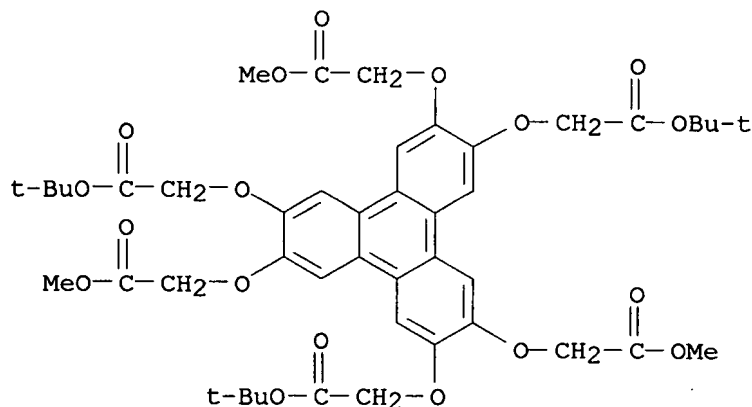


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 10 OF 19 REGISTRY COPYRIGHT 2007 ACS on STN
RN 198556-17-1 REGISTRY
ED Entered STN: 12 Dec 1997

CN Acetic acid, 2,2',2''-[[3,7,11-tris[2-(1,1-dimethylethoxy)-2-oxoethoxy]-2,6,10-triphenylenetriyl]tris(oxy)]tris-, trimethyl ester (9CI) (CA INDEX NAME)
 MF C45 H54 O18
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT

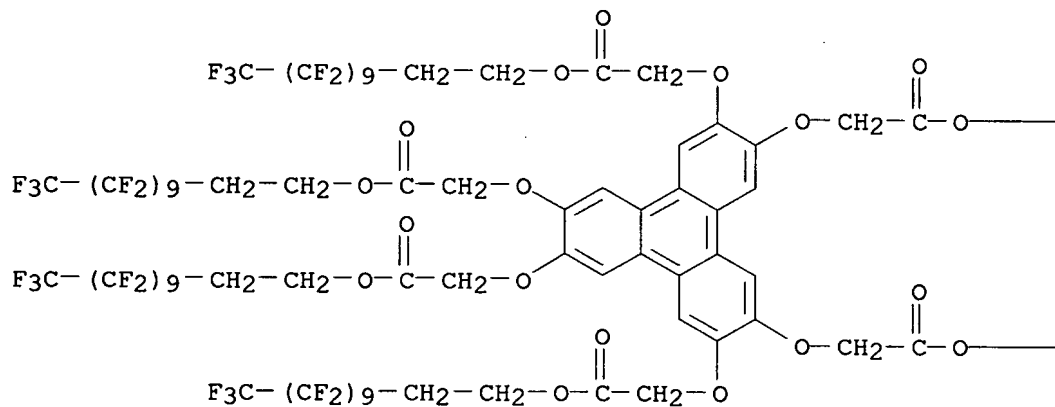


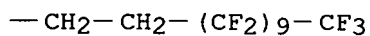
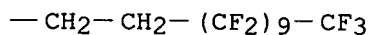
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 11 OF 19 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 172990-53-3 REGISTRY
 ED Entered STN: 07 Feb 1996
 CN Acetic acid, 2,2',2'',2''',2''',2''''-[2,3,6,7,10,11-triphenylenehexaylhexas(oxy)]hexakis-, hexakis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuorododecyl) ester (9CI) (CA INDEX NAME)
 MF C102 H42 F126 O18
 SR CA
 LC STN Files: CA, CAPLUS

PAGE 1-A





PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 12 OF 19 REGISTRY COPYRIGHT 2007 ACS on STN

RN 172990-52-2 REGISTRY

ED Entered STN: 07 Feb 1996

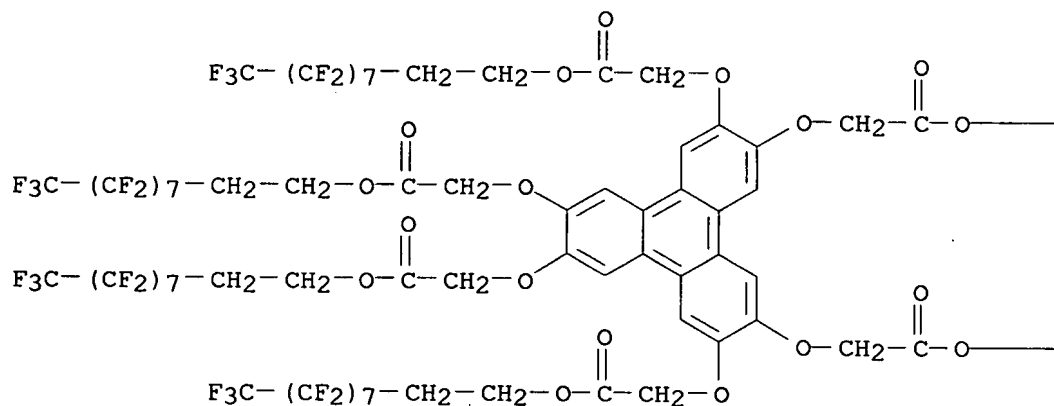
CN Acetic acid, 2,2',2'',2''',2''''',2''''''-[2,3,6,7,10,11-triphenylenehexaylhexas(oxy)]hexakis-, hexakis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluorodecyl) ester (9CI) (CA INDEX NAME)

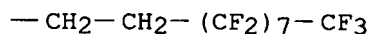
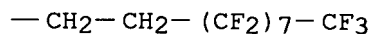
MF C90 H42 F102 O18

SR CA

LC STN Files: CA, CAPLUS

PAGE 1-A





PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 13 OF 19 REGISTRY COPYRIGHT 2007 ACS on STN

RN 172990-51-1 REGISTRY

ED Entered STN: 07 Feb 1996

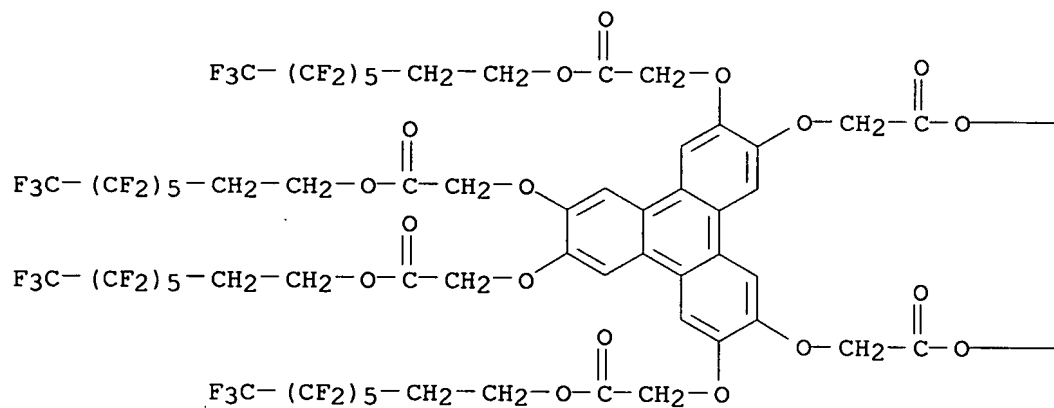
CN Acetic acid, 2,2',2'',2''',2''''',2''''''-[2,3,6,7,10,11-triphenylenehexaylhexas(oxy)]hexakis-, hexakis(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl) ester (9CI) (CA INDEX NAME)

MF C78 H42 F78 O18

SR CA

LC STN Files: CA, CAPLUS

PAGE 1-A



—CH₂—CH₂—(CF₂)₅—CF₃

—CH₂—CH₂—(CF₂)₅—CF₃

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 14 OF 19 REGISTRY COPYRIGHT 2007 ACS on STN

RN 132123-36-5 REGISTRY

ED Entered STN: 15 Feb 1991

CN Acetic acid, 2,2',2'',2''',2''''',2''''''-[2,3,6,7,10,11-triphenylenehexaylhexakis(oxy)]hexakis-, hexaethyl ester, compd. with 2,4,7-trinitro-9H-fluoren-9-one (1:1) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 9H-Fluoren-9-one, 2,4,7-trinitro-, compd. with hexaethyl 2,2',2'',2''',2''''',2''''''-[2,3,6,7,10,11-triphenylenehexaylhexakis(oxy)]hexakis[acetate] (1:1) (9CI)

CN Triphenylene, acetic acid deriv.

MF C42 H48 O18 . C13 H5 N3 O7

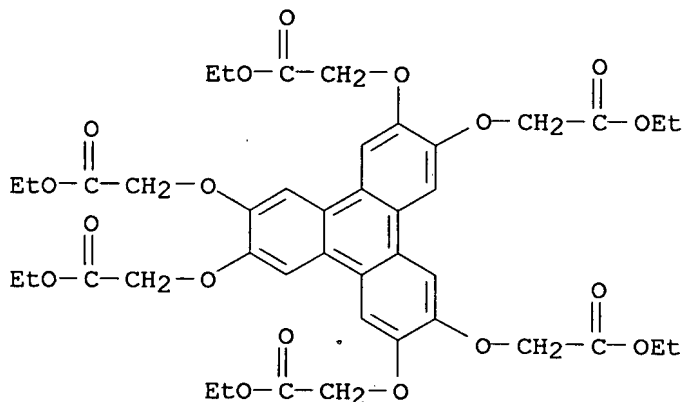
SR CA

LC STN Files: CA, CAPLUS

CM 1

CRN 130817-90-2

CMF C42 H48 O18

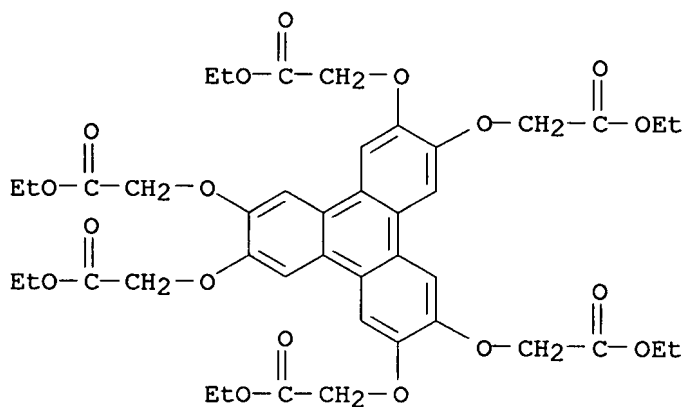


CM 2

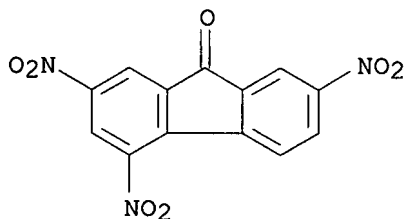
O=[N+]([O-])c1ccc2c3cc([N+](=O)[O-])ccc3c(=O)c2cc1[N+](=O)[O-]

```
L7 ANSWER 15 OF 19  REGISTRY  COPYRIGHT 2007 ACS on STN
RN 132123-35-4  REGISTRY
ED Entered STN: 15 Feb 1991
CN Acetic acid, 2,2',2'',2''',2''''',2''''''-[2,3,6,7,10,11-
triphenylenehexaylhexakis(oxy)]hexakis-, hexaethyl ester, compd. with
2,4,7-trinitro-9H-fluoren-9-one (2:1) (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 9H-Fluoren-9-one, 2,4,7-trinitro-, compd. with hexaethyl
2,2',2'',2''',2''''',2''''''-[2,3,6,7,10,11-triphenylenehexaylhexakis(oxy)]h
exakis[acetate] (1:2) (9CI)
CN Triphenylene, acetic acid deriv.
MF C42 H48 O18 . 1/2 C13 H5 N3 O7
SR CA
LC STN Files: CA, CAPLUS
```

CRN 130817-90-2
CMF C42 H48 O18



CRN 129-79-3
CMF C13 H5 N3 O7



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 16 OF 19 REGISTRY COPYRIGHT 2007 ACS on STN

RN 132123-34-3 REGISTRY

ED Entered STN: 15 Feb 1991

CN Acetic acid, 2,2',2'',2''',2''',2''''-[2,3,6,7,10,11-triphenylenehexaylhexas(oxy)]hexakis-, hexaethyl ester, compd. with 2,4,7-trinitro-9H-fluoren-9-one (3:1). (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 9H-Fluoren-9-one, 2,4,7-trinitro-, compd. with hexaethyl 2,2',2'',2''',2''',2''''-[2,3,6,7,10,11-triphenylenehexaylhexas(oxy)]hexakis[acetate] (1:3) (9CI)

CN Triphenylene, acetic acid deriv.

MF C42 H48 O18 . 1/3 C13 H5 N3 O7

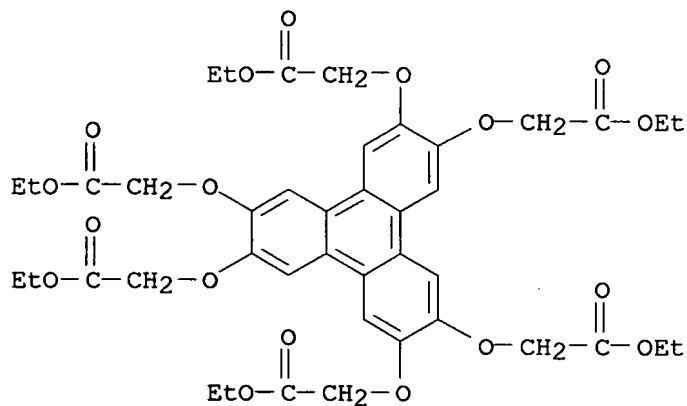
SR CA

LC STN Files: CA, CAPLUS

CM 1

CRN 130817-90-2

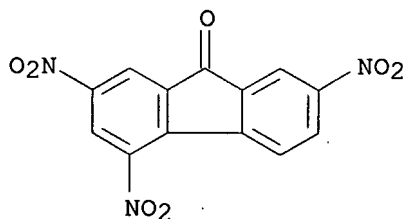
CMF C42 H48 O18



CM 2

CRN 129-79-3

CMF C13 H5 N3 O7



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 17 OF 19 REGISTRY COPYRIGHT 2007 ACS on STN

RN 132123-33-2 REGISTRY

ED Entered STN: 15 Feb 1991

CN Acetic acid, 2,2',2'',2''',2''',2''''-[2,3,6,7,10,11-triphenylenehexaylhexakis(oxy)]hexakis-, hexaethyl ester, compd. with 2,4,7-trinitro-9H-fluoren-9-one (5:1) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 9H-Fluoren-9-one, 2,4,7-trinitro-, compd. with hexaethyl 2,2',2'',2''',2''',2''''-[2,3,6,7,10,11-triphenylenehexaylhexakis(oxy)]hexakis[acetate] (1:5) (9CI)

CN Triphenylene, acetic acid deriv.

MF C42 H48 O18 . 1/5 C13 H5 N3 O7

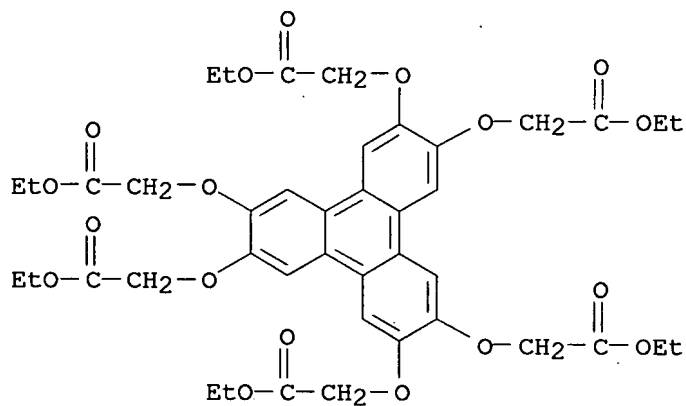
SR CA

LC STN Files: CA, CAPLUS

CM 1

CRN 130817-90-2

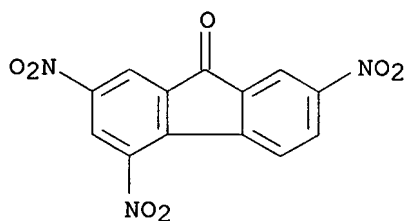
CMF C42 H48 O18



CM 2

CRN 129-79-3

CMF C13 H5 N3 O7



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 18 OF 19 REGISTRY COPYRIGHT 2007 ACS on STN

RN 132123-32-1 REGISTRY

ED Entered STN: 15 Feb 1991

CN Acetic acid, 2,2',2'',2''',2''''',2''''''-[2,3,6,7,10,11-triphenylenehexaylhexas(oxo)]hexakis-, hexaethyl ester, compd. with 2,4,7-trinitro-9H-fluoren-9-one (10:1) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 9H-Fluoren-9-one, 2,4,7-trinitro-, compd. with hexaethyl 2,2',2'',2''',2''''',2''''''-[2,3,6,7,10,11-triphenylenehexaylhexas(oxo)]hexakis[acetate] (1:10) (9CI)

CN Triphenylene, acetic acid deriv.

MF C42 H48 O18 . 1/10 C13 H5 N3 O7

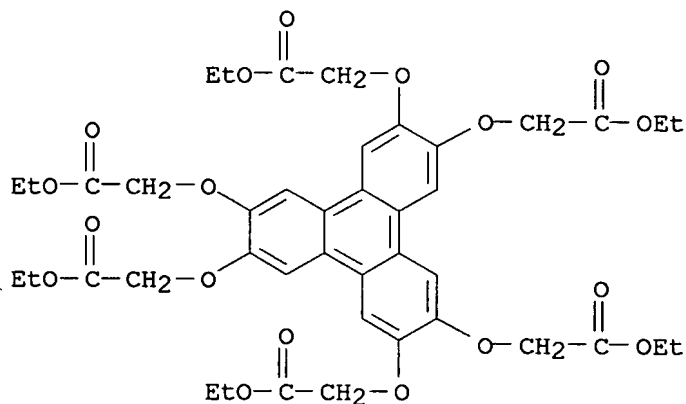
SR CA

LC STN Files: CA, CAPLUS

CM 1

CRN 130817-90-2

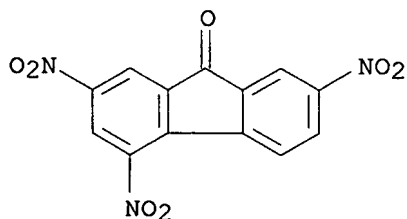
CMF C42 H48 O18



CM 2

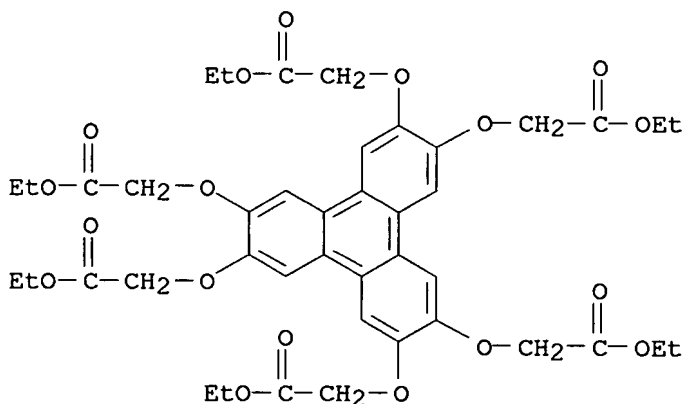
CRN 129-79-3

CMF C13 H5 N3 O7



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 19 OF 19 REGISTRY COPYRIGHT 2007 ACS on STN
RN 130817-90-2 REGISTRY
ED Entered STN: 07 Dec 1990
CN Acetic acid, 2,2',2'',2''',2''''',2''''''-[2,3,6,7,10,11-triphenylenehexaylhexas(kis(oxy))hexakis-, hexaethyl ester (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Triphenylene, acetic acid deriv.
MF C42 H48 O18
CI COM
SR CA
LC STN Files: CA, CAPLUS, CASREACT



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

8 REFERENCES IN FILE CA (1907 TO DATE)
8 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
209.60	422.91

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 17:23:59 ON 21 MAY 2007.
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is

held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 21 May 2007 VOL 146 ISS 22
FILE LAST UPDATED: 20 May 2007 (20070520/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s 17

L8 12 L7

=> d 18 1-12

L8 ANSWER 1 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2004:565189. CAPLUS
DN 141:106275
TI Preparation of fused aromatic compounds having charge transport properties
IN Takeuchi, Masayuki; Ikeda, Masato; Shinkai, Seiji
PA Kyushu Tlo Company, Limited, Japan
SO PCT Int. Appl., 29 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004058684	A1	20040715	WO 2003-JP15826	20031211
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
	RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	AU 2003289315	A1	20040722	AU 2003-289315	20031211
	US 2006111587	A1	20060525	US 2005-538484	20050608
PRAI	JP 2002-360369	A	20021212		
	WO 2003-JP15826	W	20031211		
OS	MARPAT 141:106275				

L8 ANSWER 2 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2003:415872 CAPLUS
DN 139:329698
TI Unusual emission properties of a triphenylene-based organogel system
AU Ikeda, Masato; Takeuchi, Masayuki; Shinkai, Seiji
CS Department of Chemistry and Biochemistry, Graduate School of Engineering, Kyushu University, Fukuoka, 812-8581, Japan
SO Chemical Communications (Cambridge, United Kingdom) (2003), (12), 1354-1355
CODEN: CHCOFS; ISSN: 1359-7345

PB Royal Society of Chemistry

DT Journal

LA English

RE.CNT 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN

AN 1997:754865 CAPLUS

DN 128:88655

TI Purification of 2,3,6,7,10,11-hexamethoxytriphenylene and preparation of hexakiscarbonylmethyl and hexakiscyanomethyl derivatives of 2,3,6,7,10,11-hexahydroxytriphenylene

AU Krebs, Frederik C.; Schioedt, Niels C.; Batsberg, Walther; Bechgaard, Klaus

CS Macromolecular Chemistry Group, Risoe National Laboratory, Condensed Matter Physics Chemistry Department, Roskilde, DK-4000, Den.

SO Synthesis (1997), (11), 1285-1290

CODEN: SYNTBF; ISSN: 0039-7881

PB Georg Thieme Verlag

DT Journal

LA English

OS CASREACT 128:88655

L8 ANSWER 4 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN

AN 1997:667060 CAPLUS

DN 127:358700

TI A modified procedure for the synthesis of C3-symmetric "mixed-tail" triphenylenes

AU Wright, Paul T.; Gillies, Iain; Kilburn, Jeremy D.

CS Department Chemistry, University Southampton, Southampton, SO17 1BJ, UK

SO Synthesis (1997), (9), 1007-1009

CODEN: SYNTBF; ISSN: 0039-7881

PB Thieme

DT Journal

LA English

OS CASREACT 127:358700

L8 ANSWER 5 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN

AN 1995:991736 CAPLUS

DN 124:132065

TI Fluoroalkylated discotic liquid crystals

AU Dahn, U.; Erdelen, C.; Ringsdorf, H.; Festag, R.; Wendorff, J. H.; Heiney, P. A.; Maliszewskyj, N. C.

CS Inst. Org. Chem., Johannes Gutenberg-Univ., Mainz, 55099, Germany

SO Liquid Crystals (1995), 19(6), 759-64

CODEN: LICRE6; ISSN: 0267-8292

PB Taylor & Francis

DT Journal

LA English

L8 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN

AN 1995:447799 CAPLUS

DN 122:201947

TI Structure and properties of disk shaped organic molecules in the crystalline and liquid crystalline phase using electron diffraction and high resolution imaging

AU Voigt-Martin, Ingrid G.; Schumacher, Martina; Garbella, Ruediger W.

CS Inst. f. Physikalische Chemie, Universitat Mainz, Mainz, D-6500, Germany

SO Transactions of the American Crystallographic Association (1994), Volume Date 1992, 28(Proceedings of the Symposium on Electron Crystallography, 1992), 39-56

CODEN: TACAAH; ISSN: 0065-8006

DT Journal
LA English

L8 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN

AN 1995:272688 CAPLUS

DN 122:175179

TI Structure and defects in liquid crystals from electron diffraction and high resolution imaging

AU Voigt-Martin, I. G.; Schumacher, M.; Honig, M.; Simon, P.; Garbella, R. W.

CS Inst. Phys. Chem., Univ. Mainz, Germany

SO Molecular Crystals and Liquid Crystals Science and Technology, Section A: Molecular Crystals and Liquid Crystals (1994), 254, 299-320

CODEN: MCLCE9; ISSN: 1058-725X

PB Gordon & Breach

DT Journal

LA English

L8 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN

AN 1995:258443 CAPLUS

DN 122:148107

TI Structural changes in discotic samples during transition from crystal to discotic mesophase as revealed by electron microscopy and diffraction

AU Voigt-Martin, I. G.; Garbella, R. W.; Schumacher, M.

CS Inst. fuer Physikalische Chem., Mainz, 55099, Germany

SO Liquid Crystals (1994), 17(6), 775-801

CODEN: LICRE6; ISSN: 0267-8292

PB Taylor & Francis

DT Journal

LA English

L8 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN

AN 1992:49316 CAPLUS

DN 116:49316

TI Structure analysis of discotic, sanidic and ferroelectric crystals and liquid crystals using electron microscopy

AU Voigt-Martin, I. G.; Schumacher, M.; Simon, P.; Honig, M.

CS Inst. Phys. Chem., J. Gutenberg-Univ., Mainz, D-6500, Germany

SO Makromolekulare Chemie, Macromolecular Symposia (1991), 46(Eur. Conf. Organ. Org. Thin Films, 3rd, 1990), 451-5

CODEN: MCMSES; ISSN: 0258-0322

DT Journal

LA English

L8 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN

AN 1991:92406 CAPLUS

DN 114:92406

TI Low-molecular-weight discotic liquid-crystalline charge-transfer complexes

IN Leyrer, Reinhold J.; Funhoff, Dirk; Ringsdorf, Helmut; Karthaus, Olaf; Wuestefeld, Renate

PA BASF A.-G., Germany

SO Eur. Pat. Appl., 7 pp.

CODEN: EPXXDW

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	EP 386576	A2	19900912	EP 1990-103686	19900226
	EP 386576	A3	19911023		
	R: BE, DE, ES, FR, GB, IT, NL, SE				
	DE 3907095	A1	19900913	DE 1989-3907095	19890306
	JP 02279788	A	19901115	JP 1990-51926	19900305

L8 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1991:33527 CAPLUS
DN 114:33527
TI Induction and variation of discotic columnar phases through doping with
electron acceptors
AU Bengs, Holger; Ebert, Martina; Karthaus, Olaf; Kohne, Bernd; Praefcke,
Klaus; Ringsdorf, Helmut; Wendorff, Joachim H.; Wuestefeld, Renate
CS Inst. Org. Chem., Univ. Mainz, Mainz, D-6500, Germany
SO Advanced Materials (Weinheim, Germany) (1990), 2(3), 141-4
CODEN: ADVMEW; ISSN: 0935-9648
DT Journal
LA English

L8 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1991:7495 CAPLUS
DN 114:7495
TI High-resolution electron microscopy of liquid crystalline polymers
AU Voigt-Martin, I. G.; Krug, H.; Van Dyck, D.
CS Inst. Phys. Chem., Univ. Mainz, Mainz, D6500, Germany
SO Journal de Physique (Paris) (1990), 51(20), 2347-71
CODEN: JOPQAG; ISSN: 0302-0738
DT Journal
LA English